

## MONITORING BUOY SYSTEM

## ABSTRACT OF THE DISCLOSURE

5 A buoy system for observing and monitoring the surface of a large predetermined area of water including a flotation device; a waterproof imaging device attached to the exterior of the flotation device, the imaging device operable for obtaining continuous real-time images of the surface of the predetermined area of water; a waterproof computer partially or wholly disposed within the flotation device, the computer operable for storing the continuous real-time images of the surface of the predetermined area of  
10 water; and one or more communications devices partially or wholly disposed within the flotation device, the one or more communications devices operable for transmitting a signal representing the continuous real-time images of the surface of the predetermined area of water to an operator at a remote location.